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TI Mixture of building materials for moldings  
IN Hatschek, Fritz; Kirchmayr, Karl; Kraessig, Hans; Teichmann, Helmut  
PA Eternit-Werke Ludwig Hatschek, Austria; Chemiefaser Lenzing A.-G.  
SO Ger. Offen., 19 pp.  
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DT Patent  
LA German  
IC C04B031-34  
CC 58-5 (Cement and Concrete Products)  
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	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2816457	A1	19781102	DE 1978-2816457	19780415
	AT 355486	B	19800310	AT 1977-2759	19770420
	AT 7702759	A	19790715		
PRAI	AT 1977-2759	A	19770420		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
DE 2816457	IC	C04B031-34
	IPCI	C04B0031-34; B28B0001-52
AT 355486	IPCI	C04B0031-34

AB Mixts., in particular those for the preparation of building materials such as sheeting or tubing are formed from hydraulic bonding materials such as cements, fibrous materials, fillers, and water. The fibrous materials are preferentially synthetic fibers from hydrophilic polymers such as polyalkylenes, polyesters and the like or copolymers from polyamides or polyesters. The fibrous material is essentially in short staple form and may be mixed with asbestos or other inorg. fibers, e.g. stone, glass fiber, etc. For better retention of the hydraulic bonding material on the fiber, 0.01-2 weight% cationic polyelectrolyte may be added. The mixture of fiber and bonding agent together with fillers and water is processed by sieving and forming. The mixture may be sprayed, pressed, poured, or extruded. Thus, 2 polyethylene [9002-88-4] fiber and 80 parts water are mixed 30 min and the slurry is pumped into a mixing vat along with 18 parts portland cement. The mixture is deposited on a revolving cylindrical sieve and then conveyed to a rotary forming pan to form a 6 mm thick sheet. The resulting plate is hardened by storing 28 days.

ST polyethylene fiber cement sheet  
IT Cement  
(building sheets from polyethylene fibers and)  
IT Synthetic fibers  
RL: USES (Uses)  
(polyethylene, building sheets from cement and)  
IT Building materials  
(sheet, from cement containing polyethylene fibers)